

# Requirement Analysis Report

## **Purpose of this report**

The results of the requirements elicitation and the analysis activities have been documented in this report. It completely describes our project as in terms of functional and nonfunctional requirements and serves as a contractual basis between our end users and us, the developers of this project.

## **1. Introduction**

### **1.1. Purpose of the project**

Our project, *ShahajjoKori*, is an online platform for fundraising, where both the fundraisers and donors can be benefited. And through this platform, people who are in need of funds can be helped immediately.

### **1.2 Scope of the project**

From the project it is expected that a strong community of fundraisers and donors can be created through this platform.

If such a community is formed, people can depend on this platform in times of their crisis. Donors will also find a place where they can trust with their funds in order to help the community.

### **1.3 Objectives and success criteria of the project**

The main goal of the project is to establish a connection between the donors and the fundraisers via online, where no such cheating, trickery, deception etc. takes place.

If the fundraisers and donors gain their trust in the platform, the admins can ensure them by publishing the true and verified events in the website.

## **1.4 Definitions, acronyms, and abbreviations**

## **1.5 References**

## **1.6 Overview**

The remainder of the report includes the following:

- An overall description that explains how the interaction between the fundraiser and the donor occurs. The content is explained properly in both functional and nonfunctional requirements about how this platform will operate.
- Topics addressed include constraints, quality attributes, external interface requirements. These key factors helped the user to understand the noteworthy concepts of the document.

## **2. Current system**

Fundraising platforms is not a new idea, there have been many works on this idea globally. But in our country, there is rare or no dedicated platform for donating to charity events or creating fundraiser events in Bangladesh. Mostly people use social media to broadcast their charity or fundraising events, but there remains the possibility of how legitimate or authentic the event is as there's no verification of these events. Moreover, the charities don't necessarily get enough attention from all the generous donors to earn enough funds.

### **3. Questionnaires, Interviews and the outcomes**

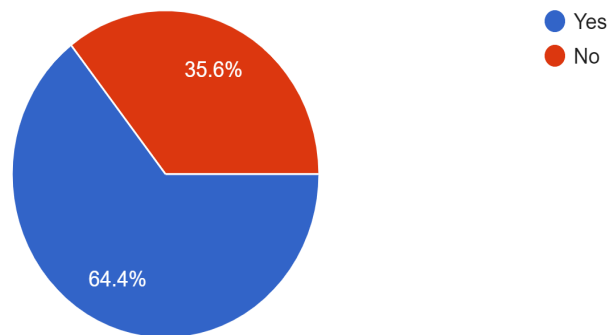
As our end users of the site will be the donors and fundraisers, it is important to know what they expect from the site and how their requirements can be fulfilled.

Regarding the current situation of the world, it was not favourable to conduct face to face interviews with them, so we got their opinions using Google Form.

The questions, brief results of the responses and their observation is given below:

Have you ever donated in a fundraising event?

45 responses

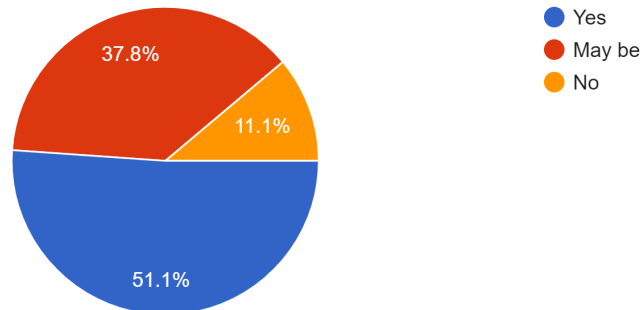




Observation: This pie chart shows that about the maximum of the total participants have donated in a fundraising event.

Would you like a dedicated online platform for donation?

45 responses

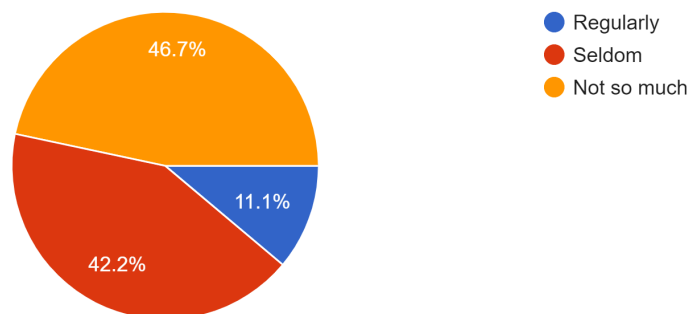


Observation: Maximum participants are in favor of a dedicated online platform for fundraising.

Observation : Majority of the participants responded to donating seldom or not at all, which is an indication that a website would suffice the need of donors instead of a

How often do you donate to such events?

45 responses



mobile app.

### **3. Functional Requirements**

Our main end users will be the fundraisers and the donors. The functional requirements of them are stated below:

#### **3.1 Fundraiser Activities**

First of all, a fundraiser needs to sign up with our website and later on, will need to sign in with proper credentials. They can create charity events with some specifications like type of charity, their description, event location, total amount needed, due date of the event etc. For verification of the events, the fundraiser has to seek permission from the authority. And after proper inspections, the events will be posted in the site. For every donation, the fundraiser will be notified of how much is raised in his/her event in the user panel. For every event created, they can edit their details, send updates to interested donors, delete any event etc.

#### **3.2 Donor Activities**

If a donor wishes to donate his/her fund to an event, he/she can navigate through the website and see all the available events that need help. They can also search any particular donation events with relevant keywords, get the information of the recently updated events etc. To pay the fund, the donor has to provide his/her email and other necessary information related to the payment procedure. After giving a donation, they will be notified via email. Donors can follow any event they like and can be updated of them if there are any, provided later on.

#### **3.3 Transaction System**

The transaction system includes those which are popular in the country. Some of these are bKash, Nagad, DBBL, UCash etc. Fundraisers will choose their preferred medium in time of creating the event. The donors can give their amount using available payment methods provided.

### **3.4 Admin Activities**

The admins of the site will be notified when there are any new event requests. They will properly inspect the events with the concerned event-makers and make sure they are eligible for posting. Admins can see all of the posted events and their progression of funds. If any such mischief is detected, admins can immediately abandon the particular event from the site. Admins can notify the updates of the events progress to the event makers, in their panel.

## **3. Nonfunctional Requirements**

### **Constraints**

- Design and Implementation: Initially it is planned that the project is to be launched as a website. It will be designed using Vue Js in frontend technology, .NET Core in backend technology and for database MySQL will be used.

### **External Interface Requirements**

- Software: Any currently available internet browsing application, for mobile sets or any personal computers.
- API: Necessary APIs will be used to connect the front-end and back-end applications, and also for transaction systems to go thoroughly.

### **Quality Attributes**

- Usability: This requirement deals with how easy it is for a user to make use of the system. As it is an online based platform, it supports on Mobile devices, PC and tablets. This system can be accessed by visiting the online platform available on the website.
- Robustness: The platform will be robust as it will be made of the latest software technologies.
- Installability: The platform will not require any additional software application as it will be directly available as a website.

- Integrity: The admins of the site will make sure only trustworthy events are posted in the platform. The events will be handled ethically and no partiality will be shown in terms of posting the events. Of course for emergency purposes, necessary changes will be made.
- Availability: The platform will be available on the internet and can be accessed any time.

## **Conclusion**

In summary, we conclude that the purpose of this document regarding the connection between a fundraiser and a donor have been written in detail. Both of these parties need to understand the functional and nonfunctional requirements of the report to clear their confusions about the project. The statistical analysis shown above contains the opinion of the participants that took part in the survey. This shows how comfortable they are about the online platform. For demonstration, a small scale prototype of this project has been made to show the user about how it operates in a general sense.

